



DOCKET NO.: N0400.70017US00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: T. Warren Weeks, et al.  
Serial No: 10/650,122  
Confirmation. No.: Not yet assigned  
Filed: August 25, 2003  
For: GALLIUM NITRIDE MATERIAL DEVICES AND METHODS  
OF FORMING THE SAME

Examiner: Not yet assigned  
Art Unit: Not yet assigned

---

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 18<sup>th</sup> day of December, 2003.

---

Robert H. Walat, Reg. No. : 46,324

---

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

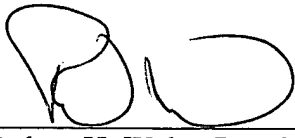
- ☒ Information Disclosure Statement
- ☒ PTO Form 1449 with cited references
- ☒ Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

Serial No.: 10/650,122  
Docket No.: N0400.70017US00  
Page 2 of 2

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,  
*T. Warren Weeks, et al., Applicants*

By:   
Robert H. Walat, Reg. No.: 46,324  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2211  
Telephone: (617)720-3500

Docket No. N0400.70017US00  
Date: 12/18/03  
**xnddx**



DOCKET NO: N0400.70017US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: T. Warren Weeks  
Serial No: 10/650,122  
Confirmation No: Not yet assigned  
Filed: August 25, 2003  
For: GALLIUM NITRIDE MATERIAL DEVICES AND  
METHODS OF FORMING THE SAME  
Examiner: Not yet assigned  
Art Unit: Not yet assigned

---

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 22<sup>nd</sup> day of December, 2003.

Robert H. Walat, Reg. No. 46,324

---

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

**PART II: Information Cited**

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

The applicant would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

<u>Serial No.(Atty Ref)</u>	<u>Filing Date</u>	<u>Inventor(s)</u>
09/792,409	02/23/03	Borges et al.
10/675,798	09/30/03	Weeks et al.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Serial No.: 10/650,122

- 3 -

Art Unit: Not yet assigned

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,  
*T. Warren Weeks , Applicant*

By: 

Robert H. Walat, Reg. No. 46,324  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2211  
Telephone: (617) 720-3500

Docket No. N0400.70017US00

Date: December 16, 2003

**XNDDX**



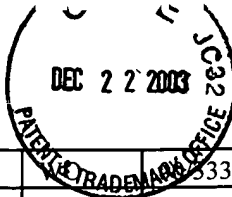
FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/650,122		ATTY. DOCKET NO.: N0400.70017US00	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		FILING DATE: August 25, 2003		CONFIRMATION NO.: Not yet assigned	
		APPLICANT: T. Warren Weeks			
		GROUP ART UNIT: Not yet assigned		EXAMINER: Not yet assigned	
Sheet	1	of	2		

#### U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	*	5,192,987		Khan et al.	03/09/93
	*	5,296,395		Khan et al.	03/22/94
	*	5,389,571		Takeuchi et al.	02/14/95
	*	5,393,993		Edmond et al.	02/28/95
	*	5,438,212	B1	Okaniwa	08/01/95
	*	5,523,589		Edmond et al.	06/04/96
	*	5,739,554		Edmond et al.	04/14/98
	*	5,760,426		Marx et al.	06/02/98
	*	5,838,706		Edmond et al.	11/17/98
	*	5,864,171		Yamamoto et al.	01/26/99
	*	5,874,747		Redwing et al.	02/23/99
	*	5,928,421		Yuri et al.	07/27/99
	*	6,045,626		Yano et al.	04/04/00
	*	6,051,849		Davis et al.	04/18/00
	*	6,121,121		Koide	09/19/00
	*	6,153,010		Kiyoku et al.	11/28/00
	*	6,177,688		Linthicum et al.	01/23/01
	*	6,201,262		Edmond et al.	03/13/01
	*	6,255,198		Linthicum et al.	07/03/01
	*	6,261,929		Gehrke et al.	07/17/01
	*	6,265,289		Zheleva et al.	07/24/01
	*	6,355,497		Romano et al.	03/12/02
	A1	6,611,002		Weeks et al.	08/26/03
	A2	6,617,060		Weeks, et al.	11/18/03
	A3	6,649,287		Weeks, et al.	11/18/03

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
	*	EP	0 740 376	A1	Mitsubishi Electric Corp.	10/30/1996	
	*	JP	09326534	A	Fuji Electric Co., Ltd.	12/16/1997	
	*	EP	0 852 416	A1	Hitachi, Ltd.	07/08/1998	
	*	JP	10242584	A	Hitachi	09/11/1998	
	*	EP	0 951 055	A2	Hewlett-Packard Company	10/20/1999	
	*	DE	199 31 300	A1	Murata Manufacturing Co.	02/10/2000	



	*	WO	01/33365	A1	North Carolina State University	06/08/2000	
	*	WO	01/37327	A1	North Carolina State University	05/25/2001	
	*	WO	01/43174	A2	North Carolina State University	06/14/2001	
	*	WO	01/47002	A2	North Carolina State University	06/28/2001	
	*	WO	01/59819	A1	North Carolina State University	08/16/2001	
	*	FR	2 809 534	A	Commissariat Energie Atomique	11/30/2001	
	B1	WO	02/069410	A2	Nitronex Corp.	09/06/2002	

# **OTHER ART — NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	
	C1	DenBaars, S.P., et al., "What's Next (2)," presentation made at "Blue 2003: Behind the Hot Apps" conference held in Dallas, TX on June 13, 2003.		

EXAMINER	DATE CONSIDERED
----------	-----------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/792,414 , filed February 23, 2001 , and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).